IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

Claims 1-7 (canceled).

8.   (previously presented) A data control method for duplicating data in a system which includes a primary system including a first computer system and a first storage device connected to said first computer system, and a secondary system including a second computer system and a second storage device connected to said second computer system, wherein at least said first storage device and said second storage device are connected to each other, said data control method comprising the steps of:

into a specific disk drive within said first storage device, registering a log based on which an update of data stored in said first storage device can be recreated, said data being produced as a result of processing performed by said first computer system;

copying said log registered in said specific disk drive within said first storage device to a specific disk drive within said second device, said specific disk drive within said second storage device being set to duplicate said log;

updating said data stored in said first storage device, said data being produced as a result of said processing performed by said first computer system;

notifying said second computer system of a change in data stored in said specific disk drive within said second storage device, said change being made as a result of performing said copying step;

reading said change in said data stored in said specific disk drive within said second storage device, this step being performed by said second computer system; and

updating a duplicate of said data, stored in said first storage device, based on a log read by said second computer system, said duplicate of said data being stored in said second storage device.

9.   (previously presented) The data control method as claimed in claim 8, wherein said log based on which said update of said data stored in said first storage device can be recreated includes one or a plurality of transactions and information for specifying a start and an end of each transaction, said data being produced as a result of said processing performed by said first computer system;

10.   (previously presented)   The data control method as claim in claim 8, wherein into said specific disk drive within said first storage device, said registering step registers said log based on which said update of said data stored in said first storage system can be recreated, in log input/output units specified by said first computer system, said data being produced as a result of said processing performed by said first computer system.

11.   (previously presented) The data control method as claimed in claim 8, wherein:

said registering step and said copying step are performed in synchronization with each other;

into said specific storage device within said first storage system, said registering step registers said log based on which said update of said data stored in said first system can be recreated, said data being produced as a result of said processing performed by said first computer system; and

said copying step copies said log registered in said specific disk drive within said first storage system to said specific disk drive within said second storage device, said specific disk drive within said second storage device being set to duplicate said log.

12.   (previously presented) The data control method as claimed in claim 8, wherein said notifying step notifies said second computer system of said change in said data stored in said specific disk drive within said second storage device at regular time intervals.

13.   (previously presented) The data control method as claimed in claim 8, wherein said notifying step notifies said second computer system of said change in said data stored in said specific disk drive within said second storage device by controlling said second storage device through an interface for controlling said second storage device from said first storage device.

14.   (previously presented) The data control method as claimed in claim 13, wherein said control of said second storage device is performed according to an instruction from said first computer system.

15.   (previously presented)   The data control method as claimed

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in claim 8, further comprising steps of:

detecting shutdown of said first computer system; and

taking over application processing from said first computer system by said second computer system.

16. (previously presented) The data control method as claimed in claim 8, further comprising steps of:

detecting shutdown of said first computer system;

taking over application processing from said first computer system by said second computer system; and

reading, by said second computer system, a log from said specific disk drive within said second storage device and updating data based on said read log.

17. (previously presented) The data control method as claimed in claim 15, further comprising steps of:

restoring said first computer system after said second computer system has taken over said application processing; and

switching the functions of said primary system and said secondary system so as to create a duplicate of a database stored in said second storage device and store said duplicate in said first storage device.

18. (previously presented) A data control method for duplicating data in a system which includes a primary system including a first computer system and a first storage device connected to said first computer system,

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and a secondary system including a second computer system and a second storage device connected to said second computer system, wherein at least said first storage device and said second storage device are connected to each other, said data control method comprising the steps of:

into a specific disk drive within said first storage device, storing a log based on which an update of data stored in said first storage device can be recreated, said data being produced as a result of processing performed by said first computer system;

copying said log stored in said specific disk drive within said first storage system to a specific disk drive within said second storage device, said specific disk drive within said second storage device being set to duplicate said log;

updating said data stored in said first storage device, said data being produced as a result of said processing performed by said first computer system;

detecting a change in data stored in said specific disk drive within said second storage device, said change being made as a result of performing said copying step by said second computer system;

reading, by said second computer system, said change in said data stored in said specific disk drive within said second storage device; and

reading, by said second computer system, a log and updating a duplicate of said data, stored in said first storage device, based on said log, said duplicate being stored in said second storage device.

19.   (previously presented) The data control method as claimed in claim 18, wherein said log based on which said update of said data stored in said first storage device can be recreated includes one or a plurality of transactions and information for specifying a start and an end of each transaction, said data being produced as a result of said processing performed by said first computer system.

20.   (previously presented) The data control method as claimed in claim 18, wherein into said specific disk drive within said first storage device, said registering step registers said log based on which said update of said data stored in said first storage device can be recreated, in log input/output units specified by said first computer system, said data being produced as a result of said processing performed by said first computer system.

21.   (previously presented) The data control method as claimed in claim 18, wherein:

said registering step and said copying step are performed in synchronization with each other;

into said specific disk drive within said first storage device, said registering step registers said log based on which said update of said data stored in said first storage device can be recreated, said data being produced as a result of said processing performed by said first computer system; and

said copying step copies said log registered in said specific disk drive within said first storage device to said specific disk drive within said second storage device, said specific disk drive within said second device being set to

duplicate said log.

22.	(previously presented) The data control method as claimed in claim 18, further comprising steps of:

detecting shutdown of said first computer system; and

taking over, by said second computer system, application processing from said first computer system.

23.	(previously presented) The data control method as claimed in claim 18, further comprising steps of:

detecting shutdown of said first computer system;

taking over, by said second computer system, application processing from said first computer system; and

reading, by said second computer system, a log from said specific disk drive within said second storage device and updating data based on said read log.